Abstract

In Ad hoc network such as WSN, nodes are mobile and continuously change its location and velocity, nodes need to send and receive data continuously, so each node must be aware of its neighbors, and to do this it periodically broadcast a HELLO message to its neighbors on fixed intervals, to announce its existence and to keep track of available nodes with direct link. But this hello messages add an overhead and increase congestion in the network. So it’s important to reduce this effect for efficient use of AODV in WSN network. This paper propose a new scheme to reduce the number of hello messages in AODV routing protocol to increase the packet delivery ratio and reduce the congestion on the network.

References

Adaptive AODV Hello Messages based on Fuzzy Distance and Neighbors Changes


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Index Terms

Computer Science  Fuzzy Systems

Keywords

Ad-hoc, WSN networks, hello message, hello interval, fuzzy logic, AODV